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(71)Applicant : MITSUI CHEMICALS INC

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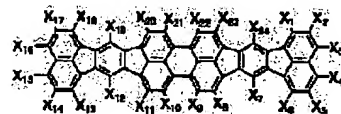
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(54) HYDROCARBON COMPOUND AND ORGANIC ELECTROLUMINESCENT ELEMENT

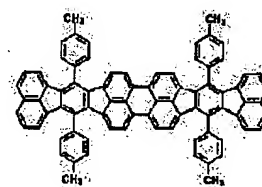
(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new hydrocarbon compound suitably useful for an organic electroluminescent element having an excellent luminous efficiency and emitting a light with high brightness.

SOLUTION: This compound is pref. a bisacenaphtho[1',2':5,6]indeno[1,2,3-cd:1',2',3'-lm]perylene derivative of formula I (X1 to X24 are each e.g. H, a halogen, an alkyl, an alkoxy, an alkylthio or an alkenyl), e.g. a compound of formula II. The compound of formula I can be obtained by subjecting 3,3'-bisacenaphtho[1,2-k]fluoranthene derivative to cyclization in the presence of an oxidizing agent of e.g. aluminum chloride/copper (II) chloride. An organic electroluminescent element with excellent luminance is provided by sandwiching one layer, pref. a luminescent layer, of at least one kind derivative of formula I between a pair of electrodes.



I



II

LEGAL STATUS